

Document
Number

NCP-21 EPA ANNEX DEVELOPMENT

- 21-1 ANNEX XI
- 21-2-1 Memorandum Introducing and Discussing Attached Interim
Guidance on Community Relations.
M. Cook, D.A.A., Office of Hazardous Emergency Response
to Regional Administrators, EPA. 2/25/81
- 21-1-2 Memorandum Regarding Community Relations at Uncontrolled
Sites.
M. Cook, D.A.A., Office of Hazardous Emergency Response to
Regional Administrators, EPA. 4/3/81
- 21-1-3 Memorandum Regarding Regional Implementation of Community
Relations Program at Superfund Sites.
M. Cook, D.A.A., Office of Hazardous Emergency Response to
Regional Administrators, EPA. 6/4/81
- 21-1-4 Draft Community Relations. no date
- 21-1-5 Interim Community Relations Guidance. no date
- 21-1-6 Memorandum Regarding Superfund Community Relations Policy
and Guidance.
W. Hedeman, Jr., Director, Office of Emergency and
Remedial Response to Regional Administrators, EPA. 11/18/81
- ANNEX XII
- 21-2 HUMAN HEALTH
- 21-2-1 Excerpt Paper from 'Approaches to Carcinogenic, Mutagenic
and Teratogenic Risk Assessment.' Science Research Systems,
Inc. for EPA. 6/80
- 21-2-2 'Preliminary Pollutant Limit Values for Human Health
Effects.'
J. Dacre and D. Rosenblatt, U.S. Army Medical Bioengineering
Research and Development Laboratory, D. Cogley, GCA Corp.,
Engineering Science and Technology, Volume 14, No. 7. 7/80
- 21-2-3 Office of Health and Environmental Assessment 'Criteria for
Determining Priorities' Comments on 4/15/81 Draft. 4/30/81
- 21-2-4 Developmental Data. Site-Specific Risk Assessment and
Hazard Profile Outline. no date

Document
Number

NCP-21 EPA ANNEX DEVELOPMENT

ANNEX XII CONTINUED

21-3 METHODS AND REMEDY

- 21-3-1 Draft Final. Manual for Remedial Actions at Waste Disposal Sites.
JRB Associates Inc., for EPA. 6/20/82
- 21-3-2 Draft Guidance for Subpart G of the Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities.
International Research and Technology Corp., for Office of Solid Waste, EPA. EPA/68-01-5794. 10/5/80
- 21-3-3 Methods for Investigating, Evaluating and Response Development Paper. 4/2/81
- 21-3-4 Memorandum Introducing and Discussing Attached Annex XII Methods for Investigating, Evaluating and Responding to Releases or Threats of Releases from Facilities Which Pose Substantial Danger to the Public Health or the Environment.
R. Stanford, Operations Research Analyst, Office of Hazardous Emergency Response, EPA to Addressees. 4/15/81

21-4 BIOLOGICAL - ENVIRONMENTAL ASSESSMENT

- 21-4-1 Analysis of the Technology, Prevalence and Economics of Landfill Disposal of Solid Waste in the United States, Volume II.
F.C. Hart Associates Inc. for Office of Solid Waste, EPA. EPA/68-01-4895. 2/19/79
- 21-4-2 Memorandum Introducing and Discussing Attached Material Regarding NCP-Coordination Meeting/Briefing (1/16/81).
D. Erith, Office of Research and Development to M. Cook, D.A.A., Office of Hazardous Emergency Response, EPA. 1/16/81
- 21-4-3 Developmental Data to Other Natural Resources Assessment. 2/13/81
- 21-4-4 Developmental Data. Alternative Program Objectives and Decision Rules for Environmentally Sensitive Areas. no date
- 21-4-5 Developmental Data. Ecological Assessment.
Office of Resea

Document
Number

NCP-21 EPA ANNEX DEVELOPMENT

ANNEX XIII

21-5 POLICY AND DECISION PAPERS

21-5-1 A Cost-Risk Benefit Analysis of Toxic Substances.
D. Tihansky, Economic Analysis Branch and H. Kibby,
Ecological Studies and Technology Assessment Branch,
Washington Environmental Research Center, EPA. Journal
of Environmental Systems, Volume 4(2). 1974

21-5-2 Testing Compliance with Air Quality Standards on the
Basis of Risk Consideration.
A. G. J. B. Bundesverband der Deutschen Industrie and
D. Schiele, Landesanstalt für Immissionsschutz. 6/79

21-5-3 Decision Issue Paper for Annex XIII Discussing Remedial
Response. 6/81

21-5-4 Options Paper 'How Clean is Clean.' no date

21-6 EXTENT OF RESPONSE

21-6-1 Final Analysis of the Technology, Prevalence and Economics
of Landfill Disposal of Solid Waste in the U.S., Volume II.
F.C. Hart Associates Inc. for Office of Solid Waste, EPA. 2/19/79

21-6-2 Site Response Management Plan. 10/15/80

21-6-3 Handbook of Procedures, Construction Grants Program for
Municipal Wastewater Treatment Works. Office of Water
Programs, Operations, EPA. 1980

21-6-4 Part 189 - Substances Prohibited from Use in Human Food;
Part 193 - Tolerances for Pesticides in Food Administered
by EPA. Code of Federal Registers, Title 21, Food and Drugs. 1980

21-6-5 Site Response Management Plan. 1/12/81

21-6-6 Determining Extent of Response Data Chart. 3/11/81

21-6-7 Determining Extent of Response Data. 3/13/81

21-6-8 Annex XIII. Criteria and Methods for Determining
Appropriate Extent of Remedy to Protect the Public Health
or the Environment.
M. Cook, D.A.A., Office of Hazardous Emergency Response, EPA. 3/81

21-6-9 Draft. Subpart F - Hazardous Substance Response. 4/2/81

Document
Number

NCP-21 EPA ANNEX DEVELOPMENT

ANNEX XIII CONTINUED

21-6	<u>EXTENT OF RESPONSE CONTINUED</u>	
21-6-10	Outline: Annex XIII Criteria and Methods for Determining the Appropriate Extent of Remedy to Protect the Public Health or the Environment.	4/2/81
21-6-11	Determining the Extent of Remedial Response for Fund Activities Chart.	4/3/81
21-6-12	Suggested Format Annex XIII.	4/10/81
21-6-13	Draft Annex XIII Hazardous Site Control Branch.	4/10/81
21-6-14	Comments (L. Miller) Hazardous Waste Enforcement Task Force Regarding Extent of Remedy.	4/10/81
21-6-15	Annex XIII Criteria and Methods for Determining the Appropriate Extent of Remedy to Protect Public Health or the Environment.	4/17/81
21-6-16	Annex XIII Criteria and Methods for Determining the Appropriate Extent of Remedy to Protect Public Health or the Environment.	4/20/81
21-6-17	Decision Flow Chart Development Papers.	5/19/81
21-6-18	Memorandum Regarding NCP Annex XIII Draft Review and Comments. J. Krivak, Director, Criteria and Standards Division to H. Van Cleve, Acting Director, Emergency Response Division, EPA.	6/11/81
21-6-19	William Lowrance: Probing Societal Risks, <u>Chemical and Engineering</u> .	7/6/81
21-6-20	Decision Flow Chart to Determining the Appropriate Extent of Remedy.	no date
21-6-21	Decision Scheme for Option II.	no date
21-6-22	Developmental Data. Option I Package.	no date
21-6-23	Response Alternative.	no date
21-6-24	Revised Strategy for Development of NCP Revisions, Applicable to Emergency Response Removal Activities as Required by PL 95-510, Section 105(-).	no date

Document
Number

NCP-21 EPA ANNEX DEVELOPMENT

ANNEX XIII CONTINUED

- 21-7 HOW CLEAN IS CLEAN OPTIONS - CASE STUDY AND REPRINTS CONTINUED
- 21-7-8 Memorandum Regarding the Use of Water Quality Criteria in the NCP.
J. Krivak, Director, Criteria and Standards Division to M. Cook, D.A.A., Office of Hazardous Emergency Response, EPA. 5/6/81
- 21-7-9 Draft. Preliminary Pollutant Limit Values for Alabama Army Ammunition Plant.
D. Rosenblatt, Ph.D., and M. Small, M.S. 6/3/81
- 21-7-10 How Clean is Clean Contamination Concentrations Chart. no date
- 21-7-11 Memorandum Regarding 'How Clean is Clean' Options.
V. Kimm, D.A.A., Office of Drinking Water to M. Cook, D.A.A., Office of Hazardous Emergency Response, EPA. no date
- 21-7-12 Technological Activities. no date
- 21-8 OTHER 'HOW CLEAN IS CLEAN' OPTIONS
- 21-8-1 Estimation of Permissible Concentrations of Pollutants for Continuous Exposures.
R. Handy and A. Schindler, Research Triangle Institute for Office of Research and Development, EPA. EPA-600/2-76-155. 06/76
- 21-8-2 Multimedia Environmental Goals for Environmental Assessment, Volume I.
J. Cleland and G. Kingsbury, Research Triangle Institute for Office of Research and Development, EPA. EPA-600/7-77-136a. 11/77
- 21-8-3 Multimedia Environmental Goals for Environmental Assessment, Volume II.
J. Cleland and G. Kingsbury, Research Triangle Institute for Office of Research and Development, EPA. EPA-600/7-77-136b. 11/77
- 21-8-4 Proposed Ground Water Protection Strategy.
Office of Drinking Water, EPA. 11/80
- 21-8-6 Alternative Methods. no date
- 21-8-7 How Clean is Clean Model Option. no date
- 21-8-5 "Options for How Clean is Clean?" (for briefing of Special Assistant to Administrator) 7/81

Document
Number

NCP-21 EPA ANNEX DEVELOPMENT

ANNEX XIII CONTINUED

21-8 OTHER 'HOW CLEAN IS CLEAN' OPTIONS CONTINUED

21-8-8 Memorandum Regarding Steering Committee Review of Revisions
to the NCP.
D. Tundermann, Chairman of Steering Committee to M. Cook,
D.A.A., Office of Hazardous Emergency Response, EPA.

4/29/81

Document
Number

NCP-22 APPROPRIATE EXTENT OF REMEDY

22-1 GUIDANCE MATERIAL

22-1-1	First Draft. Guidance on Best Scientific Judgment.	11/81
22-1-2	Second Draft. Guidance on Best Scientific Judgment.	12/3/81
22-1-3	Third Draft. Guidance on Best Scientific Judgment.	no date
22-1-4	Working Meeting Notes and Revisions for Guidance on Best Scientific Judgment from EPA, ICF Inc. Meeting.	no date
22-1-5	Working Meeting Notes Regarding Best Scientific Judgment from EPA, ICF Inc. Meeting.	12/2/81
22-1-6	Working Meeting Notes Regarding Best Scientific Judgment from EPA, ICF Inc. Meeting.	no date
22-1-7	Working Notes Regarding Best Scientific Judgment.	no date
22-1-8	First Draft. Remedial Action Management Plan.	no date
22-1-9	Second Draft. Remedial Action Management Plan.	no date

22-2 MEETINGS

22-2-1	Working Notes for (11/23/81) EPA, ICF Inc. Meeting Regarding Appropriate Extent of Remedy.	11/23/81
22-2-2	Working Notes for (11/24/81) EPA, ICF Inc. Meeting Regarding Section F Hazardous Substance Response, Appropriate Extent of Remedy.	11/24/81
22-2-3	Working Notes for (12/4/81) EPA, ICF Inc. Meeting Regarding Appropriate Extent of Remedy.	12/4/81
22-2-4	Working Notes for (12/16/81) EPA, ICF Inc. Meeting Regarding Appropriate Extent of Remedy.	12/16/81
22-2-5	Second Meeting Regarding NCP Policy Guidance Manual Issues. Notes for Meeting with EPA (Hedeman), ICF Inc. Regarding Appropriate Extent of Remedy.	no date

Document
Number

NCP-23 INTERIM PRIORITY LIST PUBLIC COMMENTS

- 23-1 Correspondence Introducing and Discussing Attached Comments Regarding the Mitre Site Ranking Model. D. Lincoln, Department of Engineering and Public Policy, Carnegie-Mellon University to S. Caldwell, Oil and Special Materials Control Division, EPA. 2/12/81
- 23-2 Correspondence Submitting Additional Comments Regarding the Mitre Site Ranking Model. D. Lincoln, Department of Engineering and Public Policy, Carnegie-Mellon University to S. Caldwell, Oil and Special Materials Control Division, EPA. 3/17/81
- 23-3 Correspondence Introducing and Discussing Attached Comments Regarding Criteria for Ranking Hazardous Waste Sites. H. Davis, Executive Director, Texas Department of Water Resources, State of Texas to S. Caldwell, Environmental Protection Specialist, Hazardous Site Control Division, EPA. 3/20/81
- 23-4 Correspondence Submitting Comments Regarding Site Ranking Model and EPA Transmittal Memorandum of Introduction (C. Owen, Region IX to S. Caldwell, Project Officer, Hazardous Site Control Division, EPA 4/24/81). T. Canez, Chief, Bureau of Waste Control, Division of Environmental Health Services, Arizona Department of Health Services, State of Arizona to J. Mackenzie, Director Region IX, EPA. 3/30/81
- 23-5 Correspondence Commenting on the NCP and Attachment Regarding Annex XIV and the Mitre Model. T. Garrett, R. Meserve and D. Williams, Covington and Burling for Chemical Manufacturers Association to M. Cook, D.A.A., Office of Hazardous Emergency Response, EPA. 4/20/81
- 23-6 Correspondence Comments Regarding the Mitre Site Ranking Model. New Jersey Department of Environmental Protection, Division of Hazardous Management to EPA. 6/16/81
- 23-7 Comments Submitting the New York State Proposed Ranking Model. New York State to EPA. 6/17/81
- 23-8 Memorandum Regarding the Mitre Model. Wesnousky, State of California to EPA. 7/3/81
- 23-9 Correspondence Comments Regarding the Mitre Site Ranking Model. Toxic Substances Control Commission, State of Michigan to EPA. 7/13/81

Document
Number

NCP 23 INTERIM PRIORITY LIST PUBLIC COMMENTS CONTINUED

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| 23-10 | Correspondence Introducing and Discussing Attached Comments Regarding the Mitre Site Ranking Model.
P. Rogers, Chief, Hazardous Materials Management Section, Department of Health Services, State of California to S. Caldwell, EPA. | 7/17/81 |
| 23-11 | Correspondence Comments Regarding the Mitre Site Ranking Model. State Board of Health, State of Indiana to EPA. | 8/5/81 |
| 23-12 | Correspondence Introducing and Discussing Attached Comments Regarding the Mitre Site Ranking Model (A.D. Little, Inc. 9/23/81).
J. Harvey, Manager, Special Environmental Issues, Chemical Manufacturers Association to W. Cook, Director, Office of Emergency and Remedial Response, EPA. | 9/29/81 |
| 23-13 | Correspondence Regarding Mitrel Model and EPA's Response (12/17/81).
J. Harvey, Manager, Special Environmental Issues, Chemical Manufacturers Association to W. Cook, Director, Office of Emergency and Remedial Response, EPA. | 10/15/81 |
| 23-14 | Correspondence and Comments Regarding the Mitre Site Ranking Model.
J. Rouse, Envirollogic Systems Inc. to S. Caldwell, EPA. | 11/02/81 |
| 23-15 | Testimony Submitting Comments Regarding the Mitrel Model Uncontrolled Hazardous Waste Site Ranking.
Testimony for the Record by the Office of Technology Assessment, Hearing of the House Energy and Commerce Subcommittee on Oversight and Investigation, US. House of Representatives. | 11/16/81 |
| 23-16 | Correspondence Introducing Additional Attached Comments Regarding the Mitre Site Ranking Model.
J. Harvey, Manager, Special Environmental Issues, Chemical Manufacturers Association to W. Hedeman, Jr., Director, Office of Emergency and Remedial Response, EPA. | 11/24/81 |
| 23-17 | Correspondence Comments Regarding the Mitre Site Ranking Model (Specifically Related to Churchrock-NM Site) and EPA's Response (1/6/82).
K. Cunningham, UNC Resources to A. Gorsuch, Administrator, EPA. | 12/03/81 |

Document
Number

NCP 23 INTERIM PRIORITY LIST PUBLIC COMMENTS CONTINUED

- 23-18 Correspondence Comments Regarding the Evaluation of the
 Mitre Site Ranking Model.
 A. Hogarth, Department of Natural Resources, State of
 Michigan to S. Caldwell, EPA.
- 23-19 Comments Regarding the Mitre Site Ranking Model.
 R. Mott, Zuckert, Scoutt and Rasenberger to EPA.

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Document
Number

NCP-24 INTERIM PRIORITY LIST HEALTH EFFECTS DATA

24 Memorandum Regarding the Use of Site-Specific Human Health
Data to Set Priorities for Hazardous Site Cleanup and
Attachment: Health Studies Under Superfund.
J. Urquhart, Office of Analysis and Program Development
to S. Caldwell, Hazardous Waste Site Control Branch, EPA.

12/8/80

Document
Number

NCP-25 INTERIM PRIORITY LIST HAZARDOUS WASTE SITES

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| 25-1 | Final Report Rescoring of Superfund Candidate Sites Using the EPA Hazard Ranking System
Biology and Environment, Inc. for EPA. | 10/15/81 |
| 25-2 | Computer Printout of the Revised List of the Top 175 Sites, Including Score Changes for Two Sites (Bio Ecology Systems, Region VI and Highland Acid Pits, Region VI). EPA. | 10/19/81 |

Document
Number

NCP-26 INTERIM PRIORITY LIST QUALITY ASSURANCE SCORING SUMMARY
SHEETS FOR 175 HAZARDOUS WASTE SITES

26 Field Investigations of Uncontrolled Hazardous Waste
Sites. FIT Project. Hazardous Waste Site Ranking Model
Summary Sheets for EPA Regions I-X. Ecology and
Environment Inc. for S. Caldwell, EPA.

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Document
Number

NCP-27 INTERIM PRIORITY LIST GUIDANCE DOCUMENTS

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| 27-1 | Memorandum Regarding Interim Priorities List.
M. Cook, D.A.A., Office of Hazardous Emergency Response
to Superfund Coordinators, Regions I-X, EPA. | 5/29/81 |
| 27-2 | Memorandum Regarding Guidance for Listing Priorities
Among Releases.
M. Cook, Director, Office of Emergency and Remedial
Response to Superfund Coordinators, Regions I-X, EPA. | 7/02/81 |
| 27-3 | Memorandum Regarding Confirmation of States' Designation
of Top Priority Sites.
M. Cook, Director, Office of Emergency and Remedial
Response to Superfund Coordinators, Regions I-X, EPA. | 7/22/81 |
| 27-4 | Memorandum Regarding Quality Assurance on the Interim
Priorities List.
M. Cook, Director, Office of Emergency and Remedial
Response to Superfund Coordinators, Regions I-X, EPA. | 9/11/81 |

Document
Number

NCP-28 INTERIM PRIORITY LIST MITRE MODELS

28-1	Site Ranking Model for Determining Remedial Action Priorities Among Uncontrolled Hazardous Substances Facilities. The Mitre Corporation for EPA.	3/05/81
28-2	Site Ranking Model for Determining Remedial Action Priorities Among Uncontrolled Hazardous Substances Facilities. The Mitre Corporation for EPA.	6/4/81
28-3	Site Ranking Model for Determining Remedial Action Priorities Among Uncontrolled Hazardous Substances Facilities. The Mitre Corporation for EPA.	6/12/81
28-4	A Ranking System for Hazardous Substance Releases. The Mitre Corporation for EPA.	6/10/81